



ACRON PRECISION INDUSTRIAL CO., LTD.

Product Specification

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TITLE	REV	ECN NO.	REV	ECN NO.
D-SUB CONNECTOR –RIGHT ANGLE, ULTRA COMPACT FOOTPRINT	A	021225		
SPEC NO. PS-SR-0001				



Product Specification

1. SCOPE

This specification defines the performances for ****DSR**** series.

2. PRODUCT DESCRIPTION

The D-Subminiature right angle, PCB mount ultra compact footprint connector of which one row, two rows & high density PCB type.

3. APPLICABLE DOCUMENTS AND SPECIFICATIONS

See product drawing and other sections of this specification for the relevant reference documents and specifications. In cases where the specification differs from the product drawings, the product drawings take precedence.

4. RATINGS

4.1	Current	5 Amps
4.2	Voltage	300 VDC (maximum)
4.3	Temperature	-55°C to 105°C
4.4	Durability	500 mating cycles

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5. PERFORMANCE					
5.1 Electrical Performance					
Test Description		Requirement		Procedure	
Contacts resistance (Initial value)		maximum: 13 m Ω		Maximum applied voltage 20mv at a current of 100mA per. EIA-364-23A	
Dielectric Withstanding Voltage		No Breakdown		Test between adjacent contacts at 1000VAC (rms) and 60 seconds hold time per EIA-364-20B	
Insulation Resistance		1000 M Ω minimum		Test between adjacent contacts at 500vdc (rms) and 2 minutes per EIA-364-21B	
5.2 MECHANICAL					
Test Description		Requirement		Procedure	
Durability		Appearances-no damage 30 m Ω Maximum (change from initial)		The sample should be mounted in the tester and fully mated and unmated 300 times per hour at the rate of 25mm/min. per EIA-364-09B.	
Solderability		Solderable area shall have minimum of 95% solder coverage.		EIA-364-52	
Mating and Unmating Forces		See table 1		Mate the connector with its mating part and measure force per EIA-364-13B	
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ULTRA COMPACT FOOTPRINT																				
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5.3 ENVIRONMENTAL																				
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6. PACKING																				
All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.																				
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